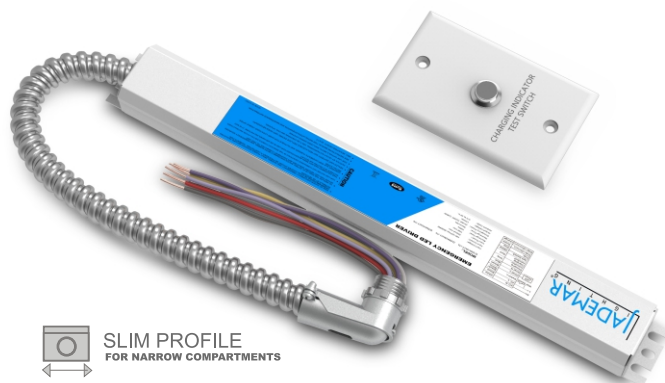


JEMA-SD SERIES LED EMERGENCY BATTERY PACK

CONSTANT POWER SELF-DIAGNOSTIC EMERGENCY BATTERY PACK



SLIM PROFILE
FOR NARROW COMPARTMENTS



PRODUCT DESCRIPTION

JEMA-SD series emergency drive is UL listed led emergency driver for Field and factory installation. Emergency Battery Backup provides peace of mind in times of power loss, delivering up to 8 or 18w for 90 minutes with no light degradation. JEMA-SD series function for 0-10V dimmable products or non-dimmable fixtures. The unit contains a battery, charger and converter circuit in a narrow profile enclosure for installation within the channel space or wire way. JEMA-SD slim backlit series a rated output voltage of 170VDC. The patented constant power design of the module maintains the output wattage to led driver even as the system voltage diminished resulting in a constant illumination level for entire emergency runtime. The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30-seconds and annual 90-minute tests to verify proper emergency capability per Life Safety Code requirements.

STANDARD FEATURES

- Input Voltage: 100-347VAC, 50/60Hz
- Input Power: 12 Watts (max)
- Output Voltage: 170 VDC
- Output Power: 8W / 18W
- Emergency Operation: 90 minutes
- Charge Time: 24 Hour Recharge
- Weight: 8W-0.8kg / 18W-0.9kg
- Self-sensing output voltage operates various
- Five mounting configurations available
- Long-life, maintenance-free, high temperature recyclable Lithium battery
- Works with 0-10V dimmable or non-dimmable, internal or external driver fixtures

CERTIFICATIONS AND COMPLIANCE

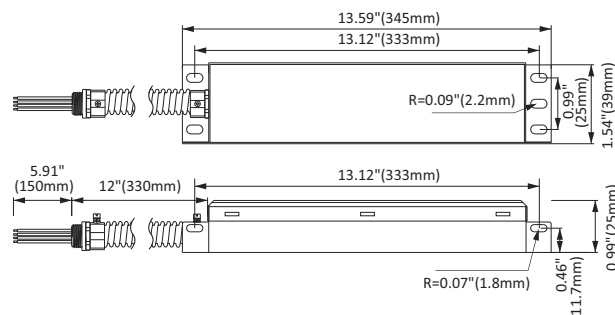
- cUL Listed for factory and field installation
- UL 924 Listed for U.S. and Canada
- EMI (Radiated and Conducted): FCC Class A (charge and EM modes)
- Surge Protection: Meets ANSI/IEEE C62.41.2-2002
- Rated for use in plenum, damp location, and en-closed and gasketed fixtures
- RoHS Compliant
- 5-Year Warranty.

DIMENSIONS

Driver size: L*W*H=13.59"(345mm)*1.54"(39mm)*0.99"(25mm)

Conduit Length: 12"(330mm)

Output wire exposed: 5.91"(150mm), OD: 18AWG, 20AWG



ELECTRICAL DATA

Model Number	JEMA-SD-8W	JEMA-SD-18W
Input Voltage	100-347VAC, 50/60HZ	100-347VAC, 50/60HZ
Input Current	100mA(Max)	100mA(Max)
Input Power	7W(Max)	12W(Max)
Output Power	8W	18W
Output Voltage	≤170VDC	
Operating Temperature	0°C to 50°C (32°F to 122°F)	
Warranty	5 years	



Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468
WWW.JADEMAR.COM

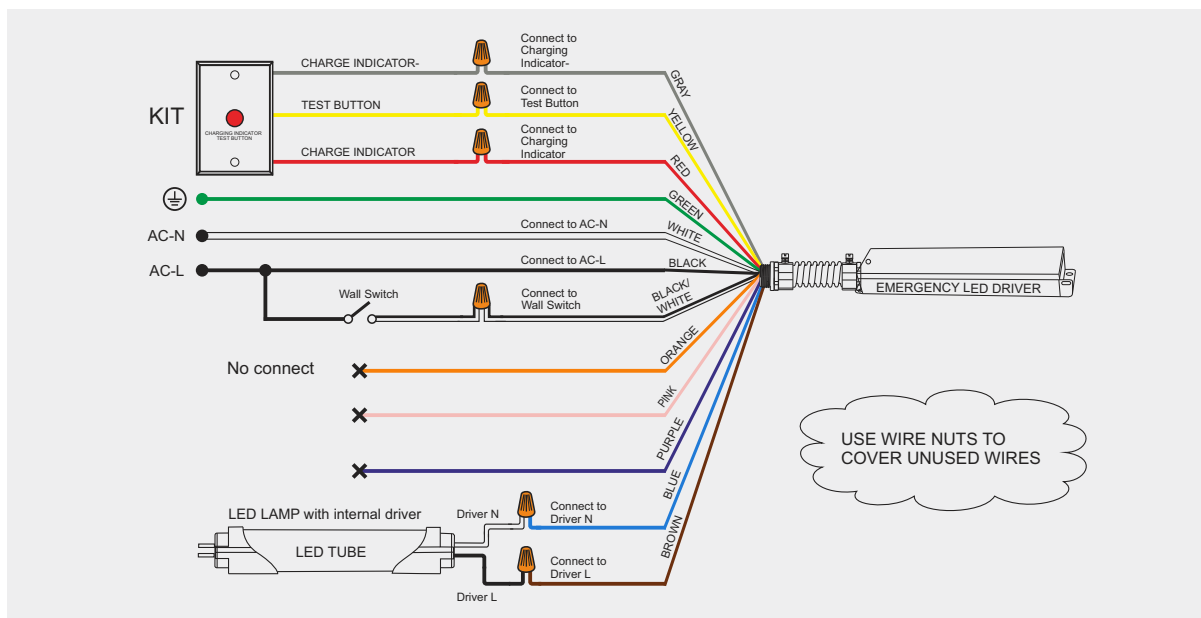


Information contained herein is subject to change without notice.

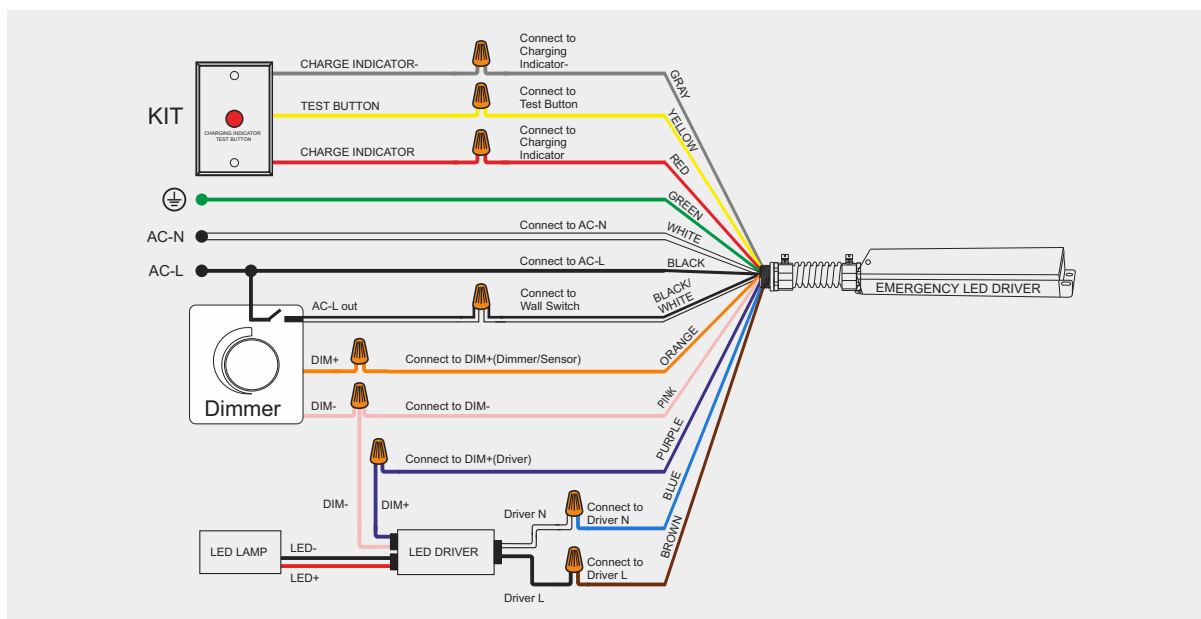
Revised 01/2025

WIRING DIAGRAMS

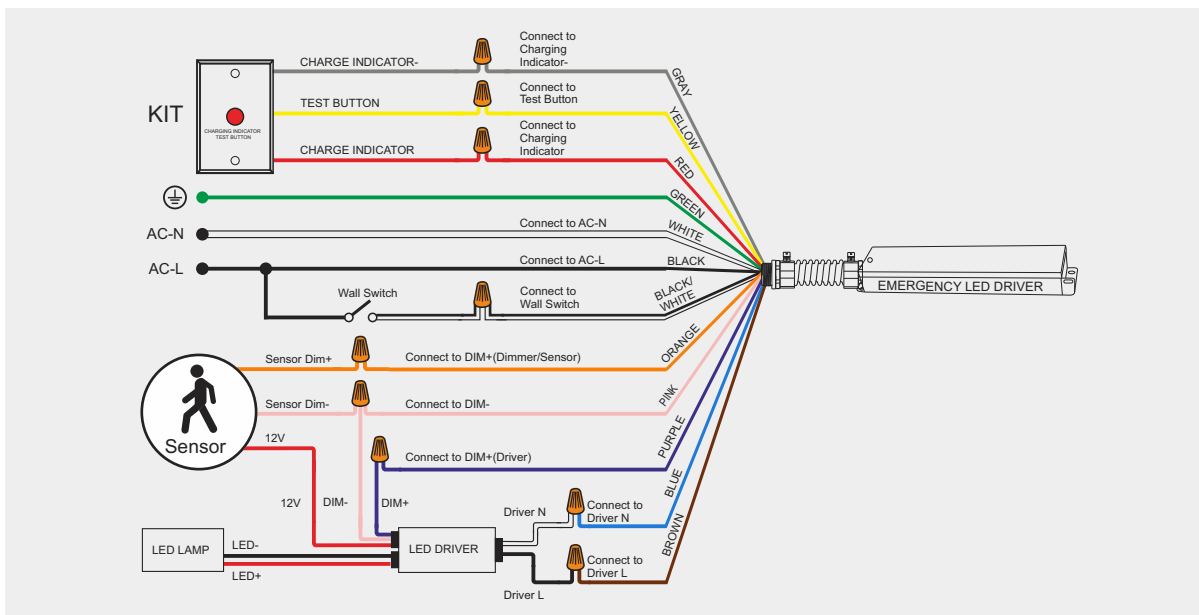
Normal solution: When the LED driver power less than the emergency power



When the LED driver power more than emergency led driver with dimmer



With DC sensor



With AC Sensor

